

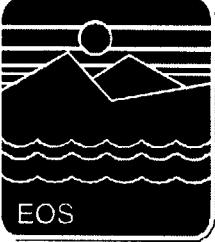
# MODIS Status

Briefing to SWAMP

April 3, 1997

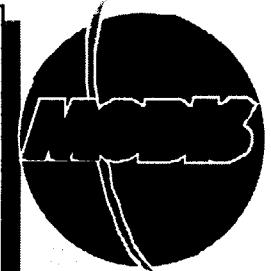
R. E. Murphy

MODIS Project Scientist



# MODIS Status

Briefing to SWAMP 3 April, 1997



- MODIS In Thermal Vacuum Testing
- Initial Software Testing in DAAC Underway
- ESDIS Emergency Plan Work Initiated
- Oceans Group Proposal (NC) to SeaWiFS
- Team Meeting May 13-16, 1997 at College Park Holiday Inn

# Version 1 Software Status

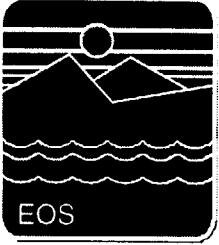
- Software to generate 46 Version 1 MODIS products has been received from the Team
  - Remaining 4 products expected this month
- Pre-SSI&T delivery to GSFC DAAC on 2/18
  - Standards checking
  - Refine delivery processes in SSI&T agreement
- Integration and test activities at 3 DAACs with Version 1 software from 5/97-11/97 on the pre-Release B testbed

# Version 2 Software Plans

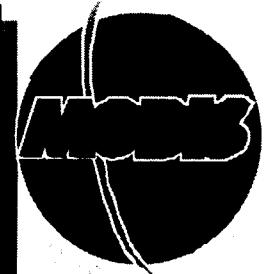
- April File specifications, Level 1B
- May Ocean and Land Levels 2,2G
- June Atmosphere Level 2
- July Level 1A, Geolocation and Atmosphere Level 3
- August Land Levels 3,4
- May-Oct Testing in the TL-SCF
- Feb-Mar Testing at the DAACs

# Software Issues

- Changes in metadata and toolkits will cause slips
- V1 I&T at DAACs overlap V2 testing at TL-SCF
- Need Quality Control logs transmitted to TL-SCF
- Unclear how or if the ECS Scheduler knows when a complete set of input granules is available for a PGE to process
- Need a tool to verify ESDT ODL descriptor files
- Large number of files being staged for some PGEs may be a concern



# Thermal Vacuum Test Highlights



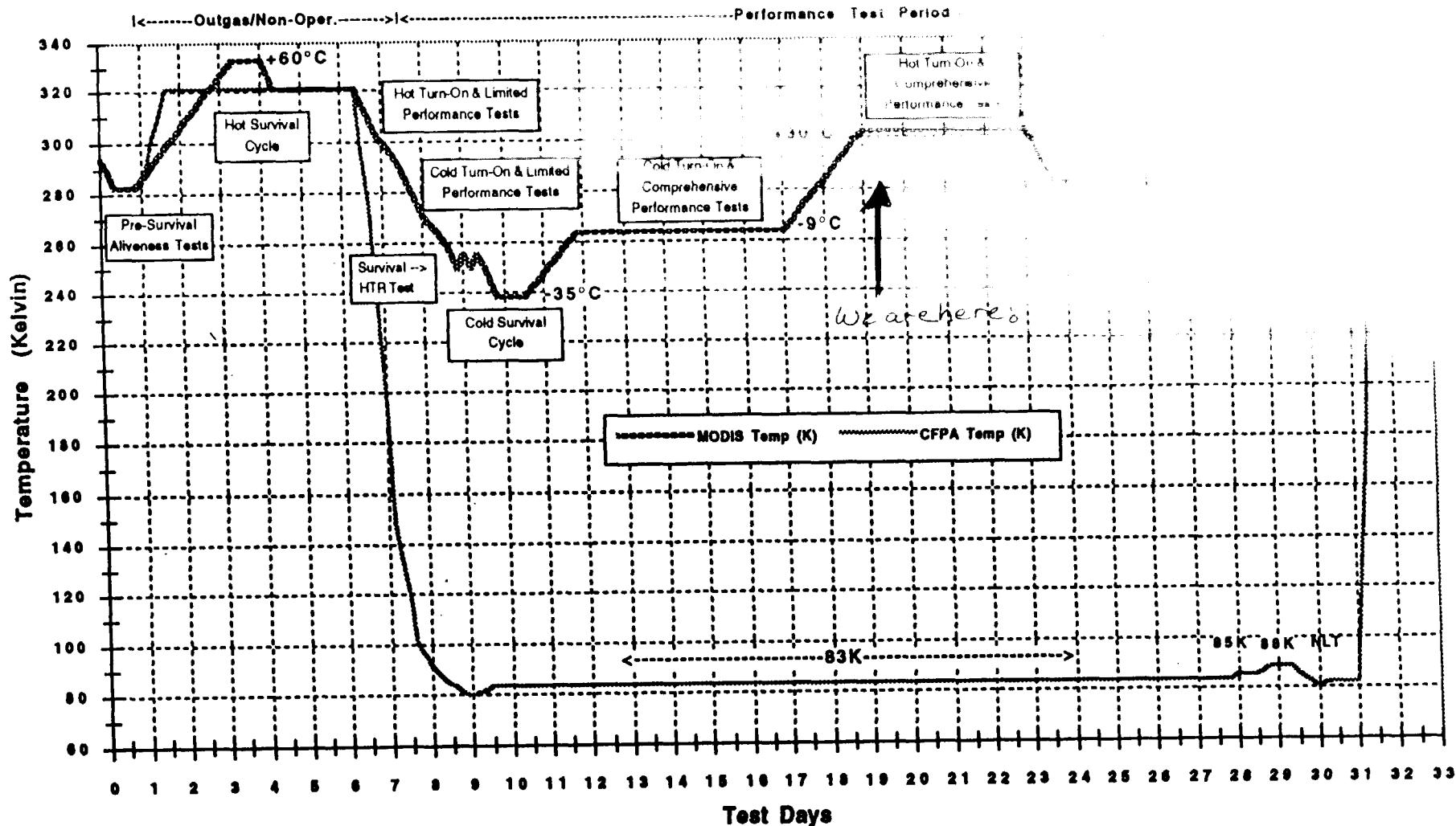
- Test began March 12, 1997
- Currently one day behind plan
- Chamber behaving well
- GSE problems behind us now
- Achieved useful calibration for cold operational condition
- All functional as required

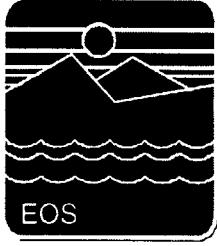


# Planned PFM MODIS Thermal Vacuum Timeline

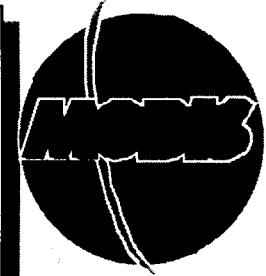
SANTA BARBARA  
REMOTE  
SENSING

**HUGHES**  
AIRCRAFT





# Sensor Performance Characteristics



- Sensor nominal on-orbit temperature 10K lower than MCST expected
- Working well, all major TBD characteristics resolved
  - Low sensor background
  - Useful SWIR behavior
  - Cross-talk reduced
  - SRCA demonstrated to work nearly as expected
    - Useful spectral, spatial and radiometric data
  - Virtually all SNR and dynamic range in spec